Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/08/2016 11:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125234	0	1.91	125096	1.91
Blue	F	SSC	125000	123532	-2	3.50	123963	3.38
Blue	E	FITC	22946	22480	-3	2.43	1001	9.39
Blue	D	PE	28770	28426	-2	2.05	1019	8.83
Blue	B	PerCP-Cy5-5	51099	50522	-2	3.40	1449	15.68
Blue	A	PE-Cy7	42312	41601	-2	4.93	638	32.54
Red	C	APC	52169	51720	-1	2.73	2982	9.26
Red	A	APC-Cy7	56705	56104	-2	2.75	1158	11.10
Violet	B	V450	14708	14224	-4	3.69	685	9.05
Violet	A	V500	58608	57332	-3	3.47	2551	6.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19671	4.57	595	-3	N/A	N/A	Pass
Blue	F	SSC	61548	1.99	522	4	N/A	N/A	Pass
Blue	E	FITC	113	37.93	531	0	0.0260	306	Pass
Blue	D	PE	225	26.01	527	1	0.2015	239	Pass
Blue	B	PerCP-Cy5-5	227	41.37	621	-1	0.0120	92	Pass
Blue	A	PE-Cy7	72	105.13	668	-3	0.0143	12	Pass
Red	C	APC	348	27.09	589	-1	0.0213	72	Pass
Red	A	APC-Cy7	126	39.45	573	-3	0.0057	1409	Pass
Violet	B	V450	83	42.36	467	8	0.0427	1816	Pass
Violet	A	V500	186	23.80	496	8	0.0134	553	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.30	-30.91	0.85
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	17.32	13.27 - 19.91	N/A	N/A	31.36	31.61	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9721

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments